

**Waste Management, Inc.**

A WMX Technologies Company Phone 215.244.9514
Three Greenwood Square Fax 215.244.1308
3329 Street Road
Bensalem, PA 19020-8532

June 5, 1995

Mr. James S. Haklar, P.E.
New Jersey Branch II
Emergency and Remedial Response
United States Environmental Protection Agency
290 Broadway, 19th Floor
New York, NY 10007-1866

RE: Discharge Monitoring Report
Leachate Treatment Plant, Operable Unit 1
Kin-Buc Landfill Superfund Site

Dear Mr. Haklar:

The Discharge Monitoring Report (DMR) for the Leachate Treatment Plant of Operable Unit 1, Kin-Buc Landfill Superfund Site prepared by Conti and its operating subcontractor for the month of April, 1995, is attached. Copies have been included for you to send to NJDEP. We will send these directly if you desire. We understand that NJDEP copies are to go to Mr. Ian Curtis and:

Ms. Susan Dietrick
NJ Department of Environmental Protection
Division of Water Quality
Bureau of Permit Management
401 East State Street, Floor 2, CN 029
Trenton, NJ 08625

Sincerely,
Representing SCA Services, Inc., and Kin-Buc, Inc.,


Wayne Thurman

Sr. Construction Manager/Facility Coordinator

Enclosure

cc: Rick Karr - SCA
Anthony LaBato - Conti
Bob Morano - Kin-Buc, Inc.
Luz Spann - USCOE

562236





A-012523

June 5, 1995

Mr. Anthony LaBato
Project Manager
Conti Environmental, Inc.
383 Meadow Road
Edison, New Jersey 08818

Re: Kin-Buc Landfill Leachate Treatment Facility
Discharge Monitoring Report - April 1995

Dear Mr. LaBato:

In accordance with the Surface Water Discharge Permit Equivalent dated August 24, 1992, Professional Services Group is pleased to submit the original copy of the Discharge Monitoring Report (DMR) for the Kin-Buc Landfill Leachate Treatment Facility for the month of April 1995.

The facility was in full operation from April 26 through the end of the month with no operational problems, bypasses or interruptions. A monthly report will be transmitted with the DMRs beginning with the DMR for May. There were no permit exceedances or operational exceptions except as highlighted below for the month of April:

- **Effluent Flow Not Recorded -**
The effluent flow totalizer for the facility was not operational but is now. Total flow was taken to be the sum of the influent flows.
- **Different Test Method Used for Semi-Volatile Organic Testing -**
Method 625 for semi-volatile organics was used as recommend and preferred by the certified laboratory instead of Method 610.
- **Different Test Method Used for Acenaphthylene -**
For acenaphthylene, the Method 625 minimum detection limit is greater than permit limits. Permit concentration limits are 1.72 ppb average and 3.43 maximum, whereas the minimum detection limit is 2.2 ppb. Laboratory results reported the parameter as not detected. Note that the plant loading was less than the permit loading limits. Method 610 is now being used which is capable of reaching minimum detection limits which are less than the permit limits.
- **Dissolved Oxygen Not Tested -**
Because the sample for dissolved oxygen was mistakenly not preserved, the laboratory could not run the analysis for April. Daily process control data using a

Mr. Anthony LaBato
June 5, 1995

2.

dissolved oxygen meter for April showed results always greater than 6 mg/l and usually greater than 7 mg/l. Certified laboratory data for May is showing results greater than 7 mg/l.

- Acute Toxicity Not Tested -

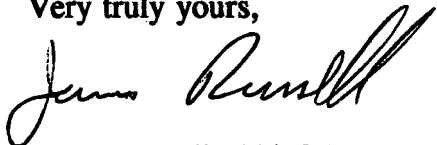
With city water initially in the equalization tanks, there was not enough time in April for flows to become representative for the testing of acute toxicity. There was also inconsistency between the permit equivalent and the Startup Manual procedures. Arrangements have been made for future testing.

Please be reminded that in accordance with the facility NJDEP discharge permit, all DMRs shall be submitted within 25 days of the start of the following month. An exception has been made for April. DMRs should be mailed to the following person and address with a copy sent to Ian Curtis:

Ms. Susan Dietrick
NJ Department of Environmental Protection
Division of Water Quality
Bureau of Permit Management
401 East State Street, Floor 2, CN 029
Trenton, NJ 08625

If you have any questions, please call me at the plant at 908-572-6294.

Very truly yours,



James Russell, Chief Operator
NJDEP N-4 License Registration No. 000771
at Kin-Buc Landfill Leachate Treatment Facility
Professional Services Group, Inc.

JR/CF:cf

enclosures

c: S. Biuso
C. Feuer

Plant began processing water on 25 April 1995 and had initial discharge on 26 April 1995. Plant discharged continuously thereafter without interruption or excursions of permit limitations on effluent discharge. Dissolved oxygen was not tested by a certified lab due to a sampling error, however daily testing with a dissolved oxygen meter gave results always in excess of 6 mg/l and certified lab results in May 1995 confirm this. The effluent flow totalizer was not operable during this period and the effluent discharge gallowage was taken as the sum of influents to the plant. These meters were operational and accurate during this period. The MDL for Acenaphthylene was greater than the average concentration allowed by permit. However, as Acenaphthylene tested as non-detectable and effluent discharge was less than permit allowance, loading to the Raritan River of this compound was below permit requirements. Another method is to be used in the future with a MDL less than the permit requirement. Acute Toxicity Testing was not performed due to dilution of influent by city water; result of testing would not have been representative.

HOURS ATTENDED AT PLANT Month 04 Year 95

Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Licensed Operator			8	8	8	8	8			8	8	8	8	8		
Others																
Day of Month	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Licensed Operator	8	8	8	11	12			8	24	24	24	24	24	24		
Others																

→ Start of effluent discharge 4/26/95

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Mr. Wayne Thurman
ADDRESS c/o SCA Services, Inc.
3 Greenwood Square
Bensalem, PA 19020
FACILITY Kin-Buc Landfill
LOCATION Edison, New Jersey

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NJ Permit Equil. (17-19) 001
PERMIT NUMBER DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD
FROM YEAR MO DAY TO YEAR MO DAY
95 4 26 95 4 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	.026	.029	MGD					0	Cont.	Flow-meter
	PERMIT REQUIREMENT	Report Only	Report Only		*****	*****	*****	*****		Cont.	Flow-meter
pH	SAMPLE MEASUREMENT			*****	8.1		8.1	S.U.	0	ONE Sample	Grab
	PERMIT REQUIREMENT	*****	*****		6.0 Daily Min.	*****	9.0		Weekly	Grab	
Petroleum Hydrocarbons	SAMPLE MEASUREMENT			*****		<1	<1	mg/l	0	ONE Sample	Grab
	PERMIT REQUIREMENT	*****	*****		*****	10	15		2/Month	Grab	
COD	SAMPLE MEASUREMENT			kg/day		<10	<10	mg/l	0	ONE Sample	Grab
	PERMIT REQUIREMENT	Report Only	Report Only		*****	Report Only	100		2/Month	Comp.	
BOD ₅ % Removal	SAMPLE MEASUREMENT			*****	99.8246			%	0	ONE Sample	
	PERMIT REQUIREMENT	*****	*****		90	*****	*****		2/Month	Calculated	
Total Suspended Solids	SAMPLE MEASUREMENT			kg/day		<4	<4	mg/l	0	ONE Sample	
	PERMIT REQUIREMENT	Report Only	Report Only		*****	30	45 ⁽¹⁾		Weekly	Comp.	
Dissolved Oxygen	SAMPLE MEASUREMENT				②			mg/l			
	PERMIT REQUIREMENT	*****	*****		4.0 Min. Instantaneous	*****	*****		Weekly	Grab	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
James Russell Chief Operator Professional Services Group							At Plant:		95 6 1		
TYPED OR PRINTED							908 572-6294		AREA CODE NUMBER YEAR MO DAY		
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(1) 7-day average

② Sample not preserved and lab couldn't run analysis, Refer to operating exceptions and cover letter.

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)
NAME

ADDRESS

FACILITY Kin-Buc Landfill
LOCATION Edison, New Jersey

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NJ Permit Equil.

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
Benzene	SAMPLE MEASUREMENT	<.0000197	<.000022	kg/day		<0.2	<0.2	ug/l	0	2/Month	Grab		
	PERMIT REQUIREMENT	0.009	0.02		*****	57	134						
Chlorobenzene	SAMPLE MEASUREMENT	<.00000984	<.00001098	kg/day		<0.1	<0.1	ug/l	0	2/Month	Grab		
	PERMIT REQUIREMENT	0.022	0.058		*****	142	380						
1,1 Dichloroethane	SAMPLE MEASUREMENT	<.0000029523	<.000022	kg/day		<0.3	<0.3	ug/l	0	2/Month	Grab		
	PERMIT REQUIREMENT	0.003	0.009		*****	22	59						
Ethylbenzene	SAMPLE MEASUREMENT	<.0000197	<.000022	kg/day		<0.2	<0.2	ug/l	0	2/Month	Grab		
	PERMIT REQUIREMENT	0.022	0.058		*****	142	380						
Tetrachloroethylene	SAMPLE MEASUREMENT	<.00000984	<.00001098	kg/day		<0.1	<0.1	ug/l	0	2/Month	Grab		
	PERMIT REQUIREMENT	0.008	0.025		*****	52	164						
Toluene	SAMPLE MEASUREMENT	<.0000197	<.000022	kg/day		<0.2	<0.2	ug/l	0	2/Month	Grab		
	PERMIT REQUIREMENT	0.004	.011		*****	28	74						
1,2-trans Dichloroethylene	SAMPLE MEASUREMENT	<.0000029523	<.00003294	kg/day		<0.3	<0.3	ug/l	0	2/Month	Grab		
	PERMIT REQUIREMENT	0.004	0.009		*****	25	60						
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE					
James Russell Chief Operator Professional Services Group TYPED OR PRINTED						908 572-6284		95	6	1			
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER			YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)
NAME

ADDRESS

FACILITY Kin-Buc Landfill
LOCATION Edison, New Jersey

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

NJ Permit Equil.

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
Trichloroethylene	SAMPLE MEASUREMENT	<.0000394	<.0000439	kg/day		<0.4	<0.4	ug/l	0	ONE SAMPLE	2/Month	Grab
	PERMIT REQUIREMENT	0.004	0.010		*****	26	69					
Vinyl Chloride	SAMPLE MEASUREMENT	<.0000394	<.0000439	kg/day		<0.4	<0.4	ug/l	0	ONE SAMPLE	Weekly	Grab
	PERMIT REQUIREMENT	0.008	0.016		*****	52.8	106					
Acenaphthylene	SAMPLE MEASUREMENT	<.0002165	<.0002416	kg/day		<2.2	<2.2	ug/l	0	ONE SAMPLE	Monthly	Grab
	PERMIT REQUIREMENT	0.00026	0.00052		*****	1.72	3.43					
Benzo(a)Anthracene	SAMPLE MEASUREMENT	<.0000886	<.0000988	kg/day		<0.9	<0.9	ug/l	0	ONE SAMPLE	Monthly	Grab
	PERMIT REQUIREMENT	0.00026	0.00052		*****	1.72	3.43					
Benzo(a)Pyrene	SAMPLE MEASUREMENT	<.0000886	<.0000988	kg/day		<0.9	<0.9	ug/l	0	ONE SAMPLE	Monthly	Grab
	PERMIT REQUIREMENT	0.00026	0.00052		*****	1.72	3.43					
Benzo(ghi)Perylene	SAMPLE MEASUREMENT	<.0000787	<.0000878	kg/day		<0.8	<0.8	ug/l	0	ONE SAMPLE	Monthly	Grab
	PERMIT REQUIREMENT	0.00026	0.00052		*****	1.72	3.43					
Benzo(k)Fluoranthene	SAMPLE MEASUREMENT	<.0000984	<.0001098	kg/day		<1.0	<1.0	ug/l	0	ONE SAMPLE	Monthly	Grab
	PERMIT REQUIREMENT	0.00026	0.00052		*****	1.72	3.43					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE				
James Russell Chief Operator Professional Services Group												
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				908 572-6299		95 6 1				

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Facility Name/Location if different)
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FACILITY Kin-Buc Landfill
LOCATION Edison, New Jersey

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Ideno(1,2,3cd)Pyrene	SAMPLE MEASUREMENT	<.0000787	<.0000878	kg/day		<0.8	<0.8	ug/l	0	ONE SAMPLE
	PERMIT REQUIREMENT	0.00026	0.00052		*****	1.72	3.43			
Phenanthrene	SAMPLE MEASUREMENT			****		<1.1	<1.1	ug/l	0	ONE SAMPLE
	PERMIT REQUIREMENT	*****	*****		*****	Report Only	5.4(2)			
Aldrin	SAMPLE MEASUREMENT	<.0000098	<.000011	kg/day		<0.1	<0.1	ug/l	0	ONE SAMPLE
	PERMIT REQUIREMENT	0.000133	0.00026		*****	0.0875	0.176			
4,4-DDT	SAMPLE MEASUREMENT	<.0000089	<.0000099	kg/day		<0.09	<0.09	ug/l	0	ONE SAMPLE
	PERMIT REQUIREMENT	0.0000578	0.000116		*****	0.38	0.765			
PCB-1242	SAMPLE MEASUREMENT			****		<0.5	<0.5	ug/l	0	ONE SAMPLE
	PERMIT REQUIREMENT	*****	*****		*****	Report Only	0.5(2)			
PCB-1248	SAMPLE MEASUREMENT			****		<0.5	<0.5	ug/l	0	ONE SAMPLE
	PERMIT REQUIREMENT	*****	*****		*****	Report Only	0.5(2)			
PCB-1254	SAMPLE MEASUREMENT			****		<0.5	<0.5	ug/l	0	ONE SAMPLE
	PERMIT REQUIREMENT	*****	*****		*****	Report Only	0.5(2)			
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James Russell Chief Operator Professional Services Group						908 572-6294		95	6	1
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(2) Discharge Reporting Level - See Coresponding Footnote on Permit Equivalent

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)
NAME

ADDRESS

FACILITY Kin-Buc Landfill
LOCATION Edison, New Jersey

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
PCB-1260	SAMPLE MEASUREMENT					<0.3	<0.3		ONE SAMPLE		
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Only	0.5 ⁽²⁾	ug/l	Weekly	Grab	
Arsenic	SAMPLE MEASUREMENT	.0003149	.0003514			3.2	3.2		ONE SAMPLE		
	PERMIT REQUIREMENT	0.013	0.026	kg/day	*****	85.8	172	ug/l	Weekly	Comp	
Cadmium	SAMPLE MEASUREMENT	<.0000177	<.0000198			<0.18	<0.18		ONE SAMPLE		
	PERMIT REQUIREMENT	0.0073	0.017	kg/day	*****	48.2	112	ug/l	Weekly	Comp	
Chromium	SAMPLE MEASUREMENT	<.0000669	<.0000747			<0.68	<0.68		ONE SAMPLE		
	PERMIT REQUIREMENT	0.030	0.060	kg/day	*****	198	396	ug/l	Weekly	Comp	
Copper	SAMPLE MEASUREMENT					1.6	1.6		ONE SAMPLE		
	PERMIT REQUIREMENT	*****	*****	****	*****	Report Only	10	ug/l	Weekly	Comp	
Lead	SAMPLE MEASUREMENT					<1.7	<1.7		ONE SAMPLE		
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Only	10	ug/l	Weekly	Comp	
Nickel	SAMPLE MEASUREMENT	.0004921	.000549			5	5		ONE SAMPLE		
	PERMIT REQUIREMENT	0.140	0.281	kg/day	*****	924	1850	ug/l	Weekly	Comp	
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James Russell Chief Operator Professional Services Group							908 572-6294		95 6 1		
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ADDRESS _____
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Zinc	SAMPLE MEASUREMENT	.0031491	.0035136	kg/day		32	32	0	ONE SAMPLE	
	PERMIT REQUIREMENT	0.177	0.356		*****	1170	2350			
Cyanide	SAMPLE MEASUREMENT	<.0009828	<.0010962	kg/day		<10	<10	0	ONE SAMPLE	
	PERMIT REQUIREMENT	0.002	0.004		*****	13.2	26.4			
Aluminum	SAMPLE MEASUREMENT	.0354276	.039528	kg/day		360	360	0	ONE SAMPLE	
	PERMIT REQUIREMENT	1.40	2.81		*****	9,240	18,500			
Iron	SAMPLE MEASUREMENT	<.0018304	<.0020423	kg/day		<18.6	<18.6	0	ONE SAMPLE	
	PERMIT REQUIREMENT	80.6	162		*****	532,000	1,070,000			
Acute Toxicity, (LC50)	SAMPLE MEASUREMENT			*****	(5)				See Permit Equivalent	
	PERMIT REQUIREMENT	*****	*****		50(3)	*****	*****			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER James Russell Chief Operator Professional Services Group TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)		TELEPHONE		DATE		
			908	572-6291	95	6	1
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(3) This limitation is equivalent to $2tu_a^S$ maximum. (5) SEE ATTACHED COVER LETTER